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	Application Number	
	Confirmation Number	
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	First Named Inventor	Autran et al.
	Group Art Unit	
	Examiner Name	
Attorney Docket Number	8382CL\$	

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
<i>mj</i>	1	US-5,693,389 A	12/2/1997	Liggat	Entire document
<i>mj</i>	2	US-5,498,692 A	3/12/1996	Noda	Entire document
<i>mj</i>	3	US-4,393,167	7/12/1983	Holmes et al.	
<i>mj</i>	4	US-4,880,592	11/14/1989	Martini et al.	
<i>mj</i>	5	US-5,292,860	3/8/1994	Shiotani et al.	
<i>mj</i>	6	US-4,876,331	10/24/1989	Doi	
<i>mj</i>	7	US-5,536,564	7/16/1996	Noda	
<i>mj</i>	8	US- 5,602,227	2/11/1997	Noda	
<i>mj</i>	9	US-5,685,756	11/11/1997	Noda	
<i>mj</i>	10	US-5,061,743	10/29/1991	Herring et al.	
<i>mj</i>	11	US-5,281,649	1/25/1994	Organ et al.	
<i>mj</i>	12	US-5,516,565	5/14/1996	Matsumoto	
<i>mj</i>	13	US-5,231,148	7/27/1993	Kleinke et al.	
<i>mj</i>	14	US-5,550,173	8/27/1996	Hammond et al.	
<i>mj</i>	15	US-4,537,738	8/27/1985	Holmes	
<i>mj</i>	16	US-5,578,382	11/26/1996	Waddington	
<i>mj</i>	17	US-5,138,029 (equivalent to EP 466 050)	8/11/1992	Nishioka et al..	
<i>mj</i>	18	US-5,624,249 (equivalent to WO 94/27049)	4/29/1997	Rohlfing	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
<i>mj</i>	19	WO 02/28969 A	4/11/2002	Procter & Gamble	Entire document	
<i>mj</i>	20	EP 440 165 A2 (abstract only provided)	8/7/1991	Showa Denko KK		
<i>mj</i>	21	GB 1,139,528	1/8/1969	Binsbergen		
<i>mj</i>	22	JP 63 172 762 (abstract only provided)	7/16/1988	Mitsubishi Rayon KK		
<i>mj</i>	23	WO 96/09402	3/28/1996	Zeneca Limited		
<i>mj</i>	24	WO 94/17121	8/4/1994	Zeneca Limited		
<i>mj</i>	25	WO 94/28047	12/8/1994	Zeneca Limited		
<i>mj</i>	26	WO 94/27048 — 27047	11/24/1994	Disogyori Szivatiyugyar KFT		

WO 94/27048

NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
<i>mg</i>	27	Organ, B., <u>Phase separation in a blend of poly(hydroxybutyrate) with poly (hydroxybutyrate-co-valerate)</u> , Polymer, Vol. 34, No. 3, 1993, pp. 459-467	
<i>mg</i>	28	Withey, H., <u>The effect of seeding on the crystallization of poly(hydroxybutyrate) and co-poly(hydroxybutyrate-co-valerate)</u> , Polymer, Vol. 40, 1999, pp. 5147-5152	
<i>mg</i>	29	Mater, J., <u>Nucleation behavior of poly-3-hydroxybutyrate</u> , Sci. 19, p. 3826, (1984) c	
<i>mg</i>	30	Mater, J., Sci. 27, p. 3239 (1992) ⁵	
<i>mg</i>	31	Hobbs, et al., <u>The effect of water on the crystallization of thin films of poly(hydroxybutyrate)</u> , Polymer (1997) 38, #15, pp. 3879-3883	
<i>mg</i>	32	Marchessault et al., <u>Biorefinery polymers in search of applications</u> , Makromol. Chem., Makromol. Symp. 19, p. 235-254 (1988)	
<i>mg</i>	33	Horowitz et al., <u>Phase separation within artificial granules from a blend of polyhydroxybutyrate and polyhydroxyoctanoate: biological implications</u> , Polymer (1994) 35, #23, pp. 5079-5083	
<i>mg</i>	34	deKoning et al., <u>Crystallization phenomena in bacterial poly[(R)-3-hydroxybutyrate]: 2. Embrittlement and rejuvenation</u> , Polymer (1993) 34, #19, pp. 4089-4094	
<i>mg</i>	35	deKoning et al., <u>Crystallization phenomena in bacterial poly[(R)-3-hydroxybutyrate]: 3. Toughening via texture changes</u> , Polymer (1994) 35, # 21 pp. 4598-4605	
<i>mg</i>	36	Biddlestone et al., <u>The Physical Ageing of Amorphous Poly(hydroxybutyrate)</u> , Polymer International 39, (1996) pp. 221-229	
EXAMINER	DATE CONSIDERED		

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